A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall serial number 001.

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS						MONITORING REQUIREMENTS	
	MONTHLY AVERAGE		WEEKLY AVERAGE		MINIMUM	MAXIMUM	FREQUENCY	SAMPLE TYPE
	mg/l*	kg/day*	mg/l*	kg/d*	mg/l*	mg/l*		
Flow (MGD) [a]	NL		NA		NA	NL	Continuous	TIRE
cBOD5 (December – April)	25	34	38	51	NA	NA	3 Days/Week	8-HC
cBOD5 (May - November)	13	17.7	20	27	NA	NA	3 Days/Week	8-HC
Total Suspended Solids	30	41	45	61	NA	NA	3 Days/Week	8-HC
Ammonia Nitrogen (December - April) [c]	10.5	NA	10.5	NA	NA	NA	1/Month	8-HC
Total Kjeldahl Nitrogen (May - November)	3.0	4.1	4.5	6.1	NA	NA	3 Days/Week	8-HC
Total Residual Chlorine (ug/l) [b] [c]	10.1		12.2		NA	NA	1/Day	Grab
Dissolved Oxygen	NA		NA		5.0	NA	1/Day	Grab
pH (standard units)	NA		NA		6.0	9.0	1/Day	Grab
Total Recoverable Copper (ug/l) [c]	21.9		21.9		NA	NA	1/Month	Grab
Total Recoverable Copper (ug/l) [c] [d]	12.7		12.7		NA	NA	1/Month	Grab
Total Recoverable Silver (ug/l) [c] [f]	3.0		3.0		NA	NA	1/3 Months	Grab
Total Recoverable Zinc (ug/l) [c] [f]	110		110		NA	NA	1/3 Months	Grab
Tributlytin (ug/l) [c] [e]	0.099		0.099		NA	NA	1/3 Months	Grab

* = UNLESS OTHERWISE NOTED NA = NOT APPLICABLE NL = NO LIMIT, MONITORING REQUIREMENT ONLY
TIRE = TOTALIZING, INDICATING AND RECORDING EQUIPMENT

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31, **due April 10**); 2nd quarter (April 1 - June 30, **due July 10**); 3rd quarter (July 1 - September 30, **due October 10**); 4th quarter (October 1 - December 31, **due January 10**).

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (Outfall 001 continued)

[a] See Part I.D.5. for additional flow requirements.
[b] See Part I.B for additional chlorine monitoring instructions.
[c] See Parts I.D.7.a. and I.D.7.b. for quantification levels and reporting requirements, respectively.
[d] See Part I.C. for Schedule of Compliance.
[e] See Part I.C. for Schedule of Compliance. No monitoring or reporting required until after completion of the schedule.
[f] See Part I.D.9. for additional instructions regarding effluent monitoring frequencies.

The design flow of this treatment facility is 0.360 MGD.
The 30-day average percent removal for BOD5 and TSS shall not be less than 85 percent for this effluent.
There shall be no discharge of floating solids or visible foam in other than trace amounts.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. During the period beginning with the permit's effective date and lasting until the expiration date, the permittee is authorized to discharge from outfall 002 (Storm water)

THIS OUTFALL SHALL CONTAIN STORM WATER RUNOFF ONLY RUNOFF WHERE NO MONITORING IS REQUIRED. THERE SHALL BE NO DISCHARGE OF PROCESS WASTEWATER FROM THIS OUTFALL.

a. There shall be no discharge of floating solids or visible foam in other than trace amounts.

A. SLUDGE LIMITATIONS AND MONITORING REQUIREMENTS

3. During the period beginning with issuance of this permit and lasting until the permit's expiration date, the permittee is authorized to manage sewage sludge according to the approved Sludge Management Plan. The pollutants in the sewage sludge shall be limited and monitored by the permittee as specified below:

a. Chemical Pollutant Limitations

SLUDGE CHARACTERISTICS	LIMITATIONS		MONITORING REQUIREMENTS	
	CEILING CONCENTRATION MAXIMUM	MOMTHLY AVERAGE	FREQUENCY	SAMPLE TYPE
	mg/kg	mg/kg		
Percent Solids	NA	NL	1/Year	Composite
Total Arsenic	75	41	1/Year	Composite
Total Cadmium	85	39	1/Year	Composite
Total Copper	4300	1500	1/Year	Composite
Total Lead	840	300	1/Year	Composite
Total Mercury	57	17	1/Year	Composite
Total Molybdenum	75	NA	1/Year	Composite
Total Nickel	420	420	1/Year	Composite
Total Selenium	100	100	1/Year	Composite
Total Zinc	7500	2800	1/Year	Composite

NA = NOT APPLICABLE; NL = NO LIMIT, MONITORING REQUIREMENT ONLY

1/Year = Between January 1 and December 31, **due January 10 of following year**.

A. SLUDGE LIMITATIONS AND MONITORING REQUIREMENTS (continued)

b. Annual Sludge Production Data

Report annual total amount of sludge produced, in dry metric tons, by your facility and annual amount of sludge, in dry metric tons, used or disposed in various methods (if applicable) according to the approved Sludge Management Plan.

c. Pathogen Reduction Limitations

(1) Class B – Alternative 2, Aerobic digestion – Sewage sludge is to be agitated with air or oxygen to maintain aerobic conditions for a specific mean cell residence time at a specific temperature. Values for the mean cell residence time and temperature shall be between 40 days at 20 degrees Celsius and 60 days at 15 degrees Celsius.

d. Vector Attraction Reduction Limitations – The permittee shall demonstrate vector attraction reduction of sewage sludge by a method listed below:

(1) Alternative 4 – The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius.

e. All samples shall be collected and analyzed in accordance with the approved Sludge Management Plan.

f. See Special Condition I.F. for additional sludge requirements.

A. GROUNDWATER LIMITATIONS AND MONITORING REQUIREMENTS

4. During the period beginning with issuance of this permit and lasting until the permit's expiration date, the permittee shall monitoring groundwater according to the approved Groundwater Monitoring Plan. The pollutants in the groundwater shall be limited and monitored by the permittee as specified below:

PARAMETER	LIMITATIONS	UNITS	MONITORING REQUIREMENTS	
			FREQUENCY	SAMPLE TYPE
Static Water Level	NL	0.01 FT	1/3 Months	Measured
pH (standard units)	NL	SU	1/3 Months	Grab
Chlorides	NL	mg/l	1/3 Months	Grab
Specific Conductance	NL	umhos/cm	1/3 Months	Grab
TOC	NL	mg/l	1/3 Months	Grab
Fecal Coliform	NL	mg/l	1/3 Months	Grab
Total Phosphorus	NL	mg/l	1/3 Months	Grab
Ammonia Nitrogen (NH_3-N)	NL	mg/l	1/3 Months	Grab
Nitrate Nitrogen (NO_3-N)	NL	mg/l	1/3 Months	Grab

NA = NOT APPLICABLE; NL = NO LIMIT, MONITORING REQUIREMENT ONLY

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31, **due April 10**); 2nd quarter (April 1 - June 30, **due July 10**); 3rd quarter (July 1 - September 30, **due October 10**); 4th quarter (October 1 - December 31, **due January 10**).

Grab samples - An individual sample should be taken after three (3) well volumes of ground water are removed (allowing the well to recharge between each well volume removed) or until well purging parameters (i.e. pH, temperature, and specific conductance) stabilize to $\pm$ 10%. The bailer or hose used should not contaminate samples.